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and,

## Listing of the Claims:

Claim 1 (currently amended): A method for producing a structure on a substrate comprising the steps of depositing drops of a suspension of nanoparticles of a material in a liquid by means of a droplet generator, melaing the nanoparticles of the deposited drops at least partially by exposition to laser light and solidifying the molten nanoparticles for forming the otructure.

- a) depositing drops of a suspension onto a substrate,
  wherein said suspension comprises nanoparticles of
  a material suspended in a liquid; and,
  wherein said substrate lacks recesses in the
  region where said drops are deposited onto said substrate;
- b) exposing said nanoparticles on said substrate to at least one localized spot of laser light such that said nanoparticles are at least partially melted by said at least one localized spot of laser light; and,
- c) solidifying said at least partially molted nanoparticles, forming thereby said structure on said substrate.

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Claim 2 (currently amended): The method of claim 1 further comprising the steps of directing the said at least one localized spot of laser light to a at least one curing point on the gaid substrate and translating the said at least one curing point in respect-to-the-over said substrate. Claim 3 (currently amended): The method of claim 1 further comprising the steps of depositing the said drops at a drop-off point on said substrate and translating the said drop-off point in with respect to the said substrate. Claim 4 (currently amended): The method of claim 1 further comprising the steps of directing the said at least one localized spot of laser light to a curing point on the-said substrate, depositing the said drops at a drop-off point on said substrate, and translating the said curing point and the said drop-off point in respect to the over said substrate. Claim 5 (currently amended): The method of claim 4 wherein the-said curing point and the-said drop-off point coincide. Claim 6 (currently amended): The method of claim 4 wherein

Claim ? (currently amended): The method of claim 1 <u>further</u> comprising the step of generating the said drops by compressing a volume of the said suspension and thereby

the said curing point and the said drop-off point are

located at a distance from each other.

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squirting the said drops through an opening onto the said substrate.

Claim 8 (currently amended): The method of claim 1 wherein the said liquid is selected from the group comprising consisting of toluene, terpineol, xylene, and water and mixtures thereof.

Claim 9 (currently amended): The method of claim 1 wherein anthe exponential absorption coefficient of the said at least one localized spot of laser light in the said suspension is at least approximately 0.1 µm<sup>-1</sup>, in particular at least 1 µm<sup>-1</sup>.

Claim 10 (currently amended): The method of claim 1 wherein the said suspension is deposited as a layer on the said substrate and wherein at least 80% of the said at least one localized spot of laser light is absorbed in the said layer.

Claim 11 (currently amended): The method of claim 1 wherein the said nanoparticles are of a comprise at least one metal.

Claim 12 (currently amended): The method of claim 1 wherein ehe—<u>said</u> liquid comprises toluene and <u>the—said</u> nanoparticles comprise gold.

Claim 13 (currently amended): The method of claim 1 wherein an average diameter of the size of said nanoparticles is sufficiently small for reducing a that the melting point of thesaid nanoparticles is substantially below a bulk the melting point of the bulk material comprising said nanoparticles.

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Claim 14 (currently amended): The method of claim 1 wherein an average diameter of the <u>said</u> nanoparticles is less than approximately 100 nm, in particular less than preferably between i nm and 5 nm.

Claim 15 (currently amended): The method of claim 1 wherein the said structure is a superconductor.

Claim 16 (currently amended): The method of claim ±2 wherein an intensity distribution of the one or more of said at least one localized spot of laser light at the said curing point is non-Gaussian.

Claim 17 (currently amended): The method of claim ±2 wherein an intensity distribution of the-one or more of said at least one localized spot of laser light at the-said curing point has at least two spatially separated maxima.

Claim 18 (currently amended): The method of claim <u>+2</u>

<u>comprising the step of depositing wherein</u> said drops <u>are</u>

<u>deposited</u> along a line strip on said substrate, wherein an

intensity distribution of <u>she said</u> at least one localized

<u>spot of laser light</u> at <u>the said</u> curing point—has a local

minimum on a center line of said line strip.

Claim 19 (currently amended): The mothod of claim  $\pm 2$  comprising the scope of

depositingwherein said drops are deposited along a line strip on said substrate, wherein said exposing of said nanoparticles comprises

directing at least two laser beams onto said substrate at said curing point, such that said laser beams impinging-impinge on opposite sides of a center line of said line strip.

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Claim 20 (currently amended): The mathod of claim 1 comprising the otep of repotitively pulsing said laser light wherein said at least one localized spot of laser light is pulsed.

Claim 21 (currently amended): The method of claim 1 <u>further</u> comprising <u>immediately following step (a)</u> the step of <u>allevaporating at least part of said liquid\_-after depositing said drops and before bringing said-manoparticles into contact-wich-said laser light.</u>

Claim 22 (currently amended): The method of claim 1 <u>further</u> comprising the step of heating said substrate by a means separate from said laser light.

Claim 23 (currently amended): The method of claim 1 wherein said substrate is transparent for to said laser light.

Claim 25 (original): The method of claim 24, wherein said drops of deposited polymerizable liquid are polymerized using UV radiation.

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Claim 35 (new): The method of claim 9 wherein said exponential absorption coefficient of said at least one localized spot of laser light in said suspension is at least approximately 1  $\mu\text{m}^{-1}$ .

Claim 36 (new): The method of claim 14 wherein said average diameter of said nanoparticles is less than approximately 10 nm.

Claim 37 (new): The method of claim 36 wherein said average diameter of said nanoparticles in the range from approximately 1 nm to approximately 5 nm.

Claim 38 (new): A method for making a capacitor comprising:

- a) depositing a first electrically conductive structure on an insulating substrate as in claim 1; and,
- b) depositing a dielectric structure on said conductive structure as in claim 24; and,
- c) depositing a second electrically conductive structure on said dielectric structure as in claim 1 such that said first conductive structure and said second conductive structure surround said dielectric structure forming thereby a capacitor.
- Claim 39 (new): A method for crossing a first electrical conductor and a second electrical conductor on an insulating substrate while maintaining electrical isolation between said first and second electrical conductors, comprising:
- a) depositing a first electrically conductive structure on an insulating substrate as in claim 1; and,
- b) depositing an insulating structure on said conductive structure as in claim 24; and,
- c) depositing a second electrically conductive structure on said insulating structure as in claim 1 such that said first conductive structure and said second conductive structure are separated by said insulating structure and maintain electrical isolation thereby.